

DATE: 3/29/2010

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00097279

## JEFFERSON PARISH

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETNA, LA. 70054-0009  
504-364-2678

B 20100000 86

VENDOR: ~~XXXXXXXXXX COPY VENDOR~~

BUYER: J. Lotz

**BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 4/29/2010 AND PUBLICLY OPENED UPON COMPLETION OF ADMINISTRATIVE TASKS.**

**LATE BIDS WILL NOT BE ACCEPTED**

**NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES DISQUALIFY BID.**

### INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

#### THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. The provisions do not apply to public works projects

Questions on this bid are to be faxed to (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet or exceed specifications.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection.

If the bid exceeds \$20,000.00 and if someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with LSA-R.S. 38:2212(A)(1)(c) or LSA-R.S. 38:2212 (O).

**A. AWARD OF CONTRACT:** JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitor outside the state. "LSA-R.S.38:2251-2261"

**B. USE OF BRAND NAMES AND STOCK NUMBERS:** Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

**C. CANCELLATION OF CONTRACT:** JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

Visit our website at [WWW.JEFFPARISH.NET/BIDS](http://WWW.JEFFPARISH.NET/BIDS)

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

**D. PRICES:** Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A117.1-1961).

**E. RESPONSE TO INVITATION:** If your company is unable to bid on this request, please state your reason on bid form, and return to this office before bid opening date. Failure to do so may result in the removal of your company from Jefferson Parish's vendors list.

**F. POSTING OF BIDS:** Non-Advertised bids will be posted on bulletin board in Suite 4400, Jefferson Parish General Government Building, Gretna, LA, for a period of Five (5) working days after opening date.

Advertised bids will be tabulated and a copy forwarded to each responsive bidder.

**IN ACCORDANCE WITH RECENT STATE LEGISLATION JEFFERSON PARISH IS NOW OFFERING  
ELECTRONIC PROCUREMENT TO ALL VENDORS**

**JEFFPro is the current Electronic Procurement System being used by the Parish. This system allows vendors the convenience of entering and submitting their pricing online. This is a secure site and no one has access to bid information.**

**Please follow the Purchasing Department link at [purchasing.jeffparish.net](http://purchasing.jeffparish.net) to register and review Jefferson Parish solicitations.**

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053.

**ADDITIONAL REQUIREMENTS FOR THIS BID**

**PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE  
CORRESPONDING INSTRUCTIONS BELOW.**

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1. All bidders are invited to attend the pre-bid conference. Failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. This conference is held to allow questions to be answered and inspect the site with owner's representative, etc. Failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification (with no additional cost to the owner).

## INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

2. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project.
3. **A Louisiana State Contractor's License may be required in accordance with LSA-R.S. 37:2150 et seq. If providing information on the internet (JEFFPro) please enter license number in the vendor comment section of the bid form.**
4. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
5. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
6. All awards in excess of \$5,000.00 for the construction, alteration, or repair of any public works will be reduced to a formal contract which shall be recorded at the contractor's expense. A price list of recordation costs may be obtained from the Clerk of Court and Ex-officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 reduced to formal contract will require a performance bond.
7. A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. Performance bond shall be supplied at the signing of the contract.
8. Please indicate if you have insurance: YES \_\_\_\_\_ NO \_\_\_\_\_  
Successful bidder will be required to furnish proof of insurance to this office.  
Successful bidder will be required to furnish Federal I.D. Number.
9. Minimum insurance requirements for this bid are as indicated on the attached sheet.
10. Each bid must be accompanied by a cashier's check, certified check, money order, or surety bid bond in the amount of 5% of the bid, including all alternates.
11. Affidavit required is to be submitted within 10 working days of the bid opening to the Purchasing Department on all solicitations for construction, alteration or demolition of public building or project. (LSA-RS 38:2224)
12. This is a requirements contract to be provided on an as needed basis.
13. In the event that the successful bidder cannot furnish a specific item or material and labor in the required time, JEFFERSON PARISH may purchase on an emergency basis from the next lowest bidder, or available source, until such time as the successful bidder has notified the PARISH in writing that his stock or labor capability has been replenished. The difference in price will be charged against the successful bidder of this contract, and evidence of purchases and price will be provided.
14. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be disqualified if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.

## INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES \_\_\_\_\_

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK \_\_\_\_\_

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK \_\_\_\_\_

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) \_\_\_\_\_

**\*\*\* ALL BIDDERS MUST COMPLETE SECTION BELOW \*\*\***

FIRM NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

(Must be signed here)

TITLE: \_\_\_\_\_

PRINT OR TYPE NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

( )

FAX: \_\_\_\_\_

( )

EMAIL ADDRESS: \_\_\_\_\_

TOTAL PRICE OF ALL BID ITEMS: \$ \_\_\_\_\_

**THIS BID MUST BE SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE COMPANY/FIRM FOR BID TO BE VALID. BID PACKAGE, INCLUDING INSTRUCTIONS AND SPECIFICATIONS, MUST BE RETURNED IN ITS ENTIRETY FOR BID TO BE VALID. SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.**

**NOTE: All bids should be returned with the bid number and bid opening date indicated on the outside of the envelope submitted to the Purchasing Department.**

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00097279

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			TWO YEAR CONTRACT FOR THE SUPPLY OF WATER METERS FOR THE JEFFERSON PARISH  DEPARTMENT OF PUBLIC WORKS - WATER AND ALL MUNICIPALITIES		
1	10	EA	0010 5/8 IN X 3/4 IN WATER METERS WITH TRADE-IN RCDL 25 BRONZE  GROUP 1		
2	10	EA	0020 1 IN WATER METERS WITH TRADE-IN RCDL 70 BRONZE  GROUP 1		
3	10	EA	0030 2 IN WATER METERS WITH TRADE-IN  GROUP 1		
4	5800	EA	0040 5/8 IN X 3/4 IN WATER METERS W/O TRADE IN  RCDL 70 BRONZE GROUP 2		
5	530	EA	0050 1 IN WATER METERS W/O TRADE IN  GROUP 2		
6	175	EA	0060 2 IN WATER METERS W/O TRADE-IN T-200, ELLIP, BRZ. CONNECTIONS  GROUP 2		
7	10	EA	0070 2 IN TURBINE METER WITH TRADE IN  GROUP 3		
8	10	EA	0080 3 IN TURBINE METER WITH TRADE-IN  GROUP GROUP 3		
9	5	EA	0090 4 IN TURBINE METER WITH TRADE-IN		

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00097279

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			GROUP 3		
10	5	EA	0100 6 IN TURBINE METER WITH TRADE-IN		
			GROUP 3		
11	1	EA	0110 8 IN TURBINE METER WITH TRADE-IN		
			GROUP 3		
12	1	ONLY	0120 10 IN TURBINE METER WITH TRADE IN		
			GROUP 3		
13	130	EA	0130 TOUCH READ ASSEMBLY FOR 2 IN-10 IN METERS		
			GROUP 3		
14	140	EA	0140 2 IN TURBINE METER W/O TRADE IN		
			GROUP 4		
15	10	EA	0150 3 IN TURBINE METER - W/O TRADE-IN		
			GROUP 4		
16	20	EA	0160 4 IN TURBINE METER W/O TRADE-IN		
			GROUP 4		
17	5	EA	0170 6 IN TURBINE METER - W/O TRADE-IN		
			GROUP 4		
18	5	ONLY	0180 8 IN TURBINE METER - W/O TRADE-IN		
			GROUP 4		
19	1	ONLY	0190 10 IN TURBINE METER W/O TRADE-IN GROUP 4		

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00097279

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
20	1	ONLY	0210 4 IN FIRE SERVICE METER - COMPLETE WITH TRADE-IN  GROUP 5		
21	1	ONLY	0220 6 IN FIRE SERVICE METER-COMPLETE WITH TRADE-IN  GROUP 5		
22	1	ONLY	0230 8 IN FIRE SERVICE METER - COMPLETE WITH TRADE-IN  GROUP 5		
23	1	ONLY	0240 10 IN FIRE SERVICE METER - COMPLETE WITH TRADE-IN  GROUP 5		
24	4	ONLY	0250 TOUCH READ ASSEMBLIES FOR FIRE SERVICE METERS  GROUP 5		
25	1	ONLY	0260 4 IN FIRE SERVICE METER - COMPLETE W/O TRADE IN  GROUP 6		
26	1	ONLY	0270 6 IN FIRE SERVICE METER - COMPLETE WITHOUT TRADE-IN  GROUP 6		
27	1	ONLY	0280 8 IN FIRE SERVICE METER - COMPLETE WITHOUT TRADE-IN  GROUP 6		
28	1	ONLY	0290 10 IN FIRE SERVICE METER - COMPLETE WITHOUT TRADE-IN  GROUP 6		
29	4	ONLY	0300 TOUCH READ ASSEMBLIES FOR FIRE SERVICE METERS  GROUP 6		

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00097279

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
30	1	ONLY	0310 4 IN FIRE SERVICE METER - COMPLETE WITH TRADE-IN  GROUP 7		
31	1	ONLY	0320 6 IN FIRE SERVICE METER - COMPLETE WITH TRADE-IN  GROUP 7		
32	1	ONLY	0330 8 IN FIRE SERVICE METER - COMPLETE WITH TRADE-IN  GROUP 7		
33	1	ONLY	0340 - 10 IN FIRE SERVICE METER - COMPLETE WITH TRADE-IN  GROUP 7		
34	4	ONLY	0350 TOUCH READ ASSEMBLIES FOR FIRE SERVICE METERS  GROUP 7		
35	1	ONLY	0360 4 IN FIRE SERVICE METER COMPLETE  GROUP 8		
36	1	ONLY	0370 6 IN FIRE SERVICE METER - COMPLETE  GROUP 8		
37	1	ONLY	0380 8 IN FIRE SERVICE METER - COMPLETE WITHOUT TRADE-IN  GROUP 8		
38	1	ONLY	0390 10 IN FIRE SERVICE METER - COMPLETE WITHOUT TRADE-IN  GROUP 8		
39	5	ONLY	0400 TOUCH READ ASSEMBLIES FOR FIRE SERVICE METERS  GROUP 8		
40	1	ONLY	0410 3 IN COMPOUND METER - COMPLETE TRADE-IN		



## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00097279

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			GROUP 9		
41	1	ONLY	0420 4 IN COMPOUND METER - COMPLETE WITH TRADE-IN		
			GROUP 9		
42	1	ONLY	0430 6 IN COMPOUND METER-COMPLETE WITH TRADE-IN		
			GROUP 9		
43	5	ONLY	0440 TOUCH READ ASSEMBLIES FOR COMPOUND METERS		
			GROUP 9		
44	3	ONLY	0450 3 IN COMPOUND METER - COMPLETE WITHOUT TRADE-IN		
			GROUP 10		
45	35	ONLY	0460 4 IN COMPOUND METER - COMPLETE WITHOUT TRADE-IN		
			GROUP 10		
46	8	ONLY	0470 COMPOUND METER 6 IN- COMPLETE WITHOUT TRADE-IN		
			GROUP 10		
47	30	ONLY	0480 TOUCH READ ASSEMBLY FOR COMPOUND METERS		
			GROUP 10		
48	2	ONLY	0490 3 IN WATER METER STRAINER - COMPLETE		
			GROUP 11		
49	2	ONLY	0500 4 IN WATER METER STRAINER COMPLETE		
			GROUP 11		
50	2	ONLY	0510 6 IN WATER METER STRAINER COMPLETE		

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**SEALED BID**

**BID NO.: 50-00097279**

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
51	2	ONLY	<p>GROUP 11</p> <p>0520 8 IN WATER METER STRAINER COMPLETE GROUP 11</p>		

**Jefferson Parish Water Department**  
**General Specifications for Water Meter Annual Contract**

This specification is prepared for a two (2) year contract for a supply of all sizes of water meters and components for all Water Districts for the Parish of Jefferson. The Parish reserves the right to schedule shipment of meters and components over a two year period as required.

The quantities of meters shown on the proposal guide are approximate quantities to be acquired by Jefferson Parish over a two year period. Actual usage may be on a more or less basis as needed.

Domestically manufactured meters are the only acceptable meters. Acceptable meters will be those of manufacturers who manufacture meters of all types and sizes: Types being positive displacement meters, compound meters and turbine meters in the sizes specified.

All technical literature and nationally published warranty statements must be included with the bid. Failure to do so will result in the bid being considered non-responsive. Additionally, Jefferson Parish reserves the right to accept additional warranty statements which extend the warranty coverage provided by the manufacture's nationally published warranty statement.

Bid prices shall include all freight and delivery costs. Bidder shall supply suitable shipping containers for junk meters and pay the freight for transporting junk meters to bidder's location.

Vendors quoting equal products will be required to submit samples within five (5) working days of the Parish's request.

Contract award will be based on the evaluation of the base bid. Bidder's ability to deliver promptly will also be considered. Jefferson Parish reserves the right to purchase meters at the bid price with or without trade-in.

Meters shall be manufactured by a company with a minimum of ten years experience in manufacturing of water meters. Each bidder shall include, with his bid, a list of five (5) utilities in the State of Louisiana regularly using the meter models listed on the bid proposal guide, including quantity supplied (3,000 units minimum) during the past five (5) years. In the event that bidder cannot submit five (5) utilities in the State of Louisiana, Jefferson

Parish will consider accepting utilities regularly using their meters in the surrounding States of Texas, Arkansas, or Mississippi during the past five (5) years.

### METER REFERENCE SHEET #1

UTILITY NAME -

\_\_\_\_\_

UTILITY ADDRESS

\_\_\_\_\_

CONTACT

\_\_\_\_\_

TITLE

\_\_\_\_\_

PHONE

\_\_\_\_\_

#### Residential Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
5/8" X 3/4"		
1"		
2"		

#### Compound Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
2"		
3"		
4"		
6"		

#### Turbine Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
2"		
4"		

6"		
8"		
10"		

## METER REFERENCE SHEET #2

UTILITY NAME -

\_\_\_\_\_

UTILITY ADDRESS

\_\_\_\_\_

CONTACT

\_\_\_\_\_

TITLE \_\_\_\_\_ PHONE

\_\_\_\_\_

### Residential Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
5/8" X 3/4"		
1"		
2"		

### Compound Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
2"		
3"		
4"		
6"		

### Turbine Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
2"		
4"		

6"		
8"		
10"		

### METER REFERENCE SHEET #3

UTILITY NAME -

\_\_\_\_\_

UTILITY ADDRESS

\_\_\_\_\_

CONTACT

\_\_\_\_\_

TITLE \_\_\_\_\_ PHONE

\_\_\_\_\_

#### Residential Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
5/8" X 3/4"		
1"		
2"		

#### Compound Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
2"		
3"		
4"		
6"		

#### Turbine Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
2"		

4"		
6"		
8"		
10"		

### METER REFERENCE SHEET #4

UTILITY NAME -

\_\_\_\_\_

UTILITY ADDRESS

\_\_\_\_\_

CONTACT

\_\_\_\_\_

TITLE \_\_\_\_\_ PHONE

\_\_\_\_\_

#### Residential Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
5/8" X 3/4"		
1"		
2"		

#### Compound Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
2"		
3"		
4"		
6"		

#### Turbine Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
2"		

4"		
6"		
8"		
10"		

### METER REFERENCE SHEET #5

UTILITY NAME -

\_\_\_\_\_

UTILITY ADDRESS

\_\_\_\_\_

CONTACT

\_\_\_\_\_

TITLE

\_\_\_\_\_

PHONE

\_\_\_\_\_

#### Residential Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
5/8" X 3/4"		
1"		
2"		

#### Compound Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
3"		
4"		
6"		

#### Turbine Water Meters

Size & Type of Meter	Quantity Supplied	Date Supplied
2"		
4"		
6"		



8"		
10"		

### **Detailed Meter Specifications - Positive Displacement Meters**

5/8" x 3/4", 1", & 2" (Positive Displacement Meters).

Meters to be furnished shall meet or exceed the American Water works Associations Standards C-700-77 or latest revision, and shall be as follows:

The register assembly shall be permanently encased and rolled sealed in a metal can with a glass lens. The seal must provide a hermetic seal against dirt, foreign matter, and moisture. The glass lens must be heavy duty, scratch resistant, molded glass, to insure readability and shall be as near to unbreakable as possible. The register shall be of the straight reading, magnetic type and shall be furnished with a low flow leak detector; with a large center sweep test hand; and with a 100 equally divided graduations marked at the periphery of the register face. Numerals on the number wheels shall not be less than 3/16" in height. Each register shall be date coded for month/year for manufacture. All registers shall be identical and completely interchangeable within a given meter size and/or model. Registers shall read in "U. S. Gallons". To assure the meter to be tamper resistant it will be necessary to have the sealed register secured to the main case with a manufacturer installed stainless steel nut, bolt or screw. Jefferson Parish will not accept field modified or second party modified meters as meeting specifications. Locking pin, break off screw, or seal wires will not be acceptable as equal.

Meter cases for 5/8" x 3/4", 1", and 2" meters shall be furnished with standard SPUD connections and without meter coupling connections. The boring for the 5/8" size shall be 3/4". The bore for the 1" and 2" sizes shall be 1" and 2" respectively.

**Laying lengths shall be as follows:**

5/8" x 3/4"	7-1/2"
1"	10-3/4"

2"

17"

**There can be no change in these measurements as new meters must fit in same space as existing installations.**

The meter main case shall be of the best grade waterworks bronze as specified by AWWA standard specifications C-700-77, most recently revised. Plastic meters will not be accepted as an equal nor will plastic register boxes, lids or main case be accepted.

The main case bottom cover shall be bronze and attached with a minimum of four (4) stainless steel or bronze bolts of the cap screw type. Exterior trim bolts, nuts, and screws shall be bronze or stainless steel to insure long service life. The lid and register retainer exterior shall be bronze. The meter serial number shall be stamped on the lid and also on the main case so as to be easily read from above the meter.

Internal trim-spindles, screw, etc. shall be of stainless steel or monel metal.

Meters shall be oscillating piston or nutating disc type and shall not exceed maximum number of oscillations or nutations allowed under AWWA C-700-77. The control or thrust roller of the piston or disc shall operate on stainless steel spindle or guide.

Meter manufacturers must guarantee the complete sealed register for a period of not less than fifteen (15) years for satisfactory operating performance and against fogging. If the sealed register fogs and/or does not operate satisfactorily, as determined by the Department of Water, the meter manufacturer shall replace the unit, at no cost to the Water Department of Jefferson Parish during the warranty period.

Each meter shall meet new meter accuracy standards during the first year of operation. Meter manufacturer must further guarantee all internal working meter parts for a period of not less than ten (10) years. During this period, measuring chambers shall meet the repaired meter accuracy standards of AWWA manual M-6. Chambers which do not meet the aforementioned accuracy warranty shall be replaced by the manufacturer at no cost to the Water Department of Jefferson Parish.

Water meters shall be Sensus SR Models or Badger Recordal models meeting AWWWA standards, or approved equal.

### **Detailed Meter Specifications – Direct Drive Turbine Meters**

#### **2", 3", 4", 6" 8" & 10" Direct Drive Turbines**

Turbine meters shall be magnetically driven through coupling of a magnet in the sealed register and a magnet within the main case which operates to transmit the revolutions of the turbine rotor to the sealed register. Turbine meters shall meet or exceed the most recent revision of the American Water Works Standard C-701-88 for Class II Turbines, and shall be as follows:

Water meters shall be Badger Recordal Turbo II or Sensus Turbo, or approved equal.

The main case and main case cover shall be all bronze. The lid and register retainer exterior shall be bronze. The meter serial number shall be stamped on the lid and also on the main case so as to be easily read from above the meter.

External bolts, nuts, and screws shall be bronze or stainless steel to insure long service life.

To assure the turbine meter to be tamper resistant, it will be necessary to have the sealed register secured to the main case cover and/or the rotor measuring assembly with a manufacturer installed stainless steel nut, bolt or screw. Jefferson Parish will not accept field modified or second party modified meters as meeting specifications. Locking pin, break off screw, or seal wires will not be acceptable as equal.

The turbine register assembly shall be permanently encased and rolled sealed in a metal can with a glass lens. The seal must provide a hermetic seal against dirt, foreign matter, and moisture. The glass lens must be heavy duty, scratch resistant, molded glass, to insure readability and shall be as near to unbreakable as possible. The register shall be of the direct reading,

magnetic type and shall be furnished with a low flow leak detector. Each register shall be date coded for month/year for manufacture. All registers shall be identical and completely interchangeable within a given turbine meter size and/or model. Registers shall read in "U. S. Gallons".

The internal measuring assembly which houses the rotor shall be bronze or suitable synthetic polymer. Internal spindles, nuts or trim and magnetic transmission shafts or spindles shall be stainless steel or bronze. Magnets shall be ceramic. Bearings shall be graphite, tungsten carbide, sapphire jewels or 316 stainless steel.

Operating ranges and accuracy shall be as follows:

2" meters, operating range 4 to 160 G.P.M. with accuracy registration of 100% +/- 1-1/2% of actual thru put.

3" meters, operating range 8 to 350 G.P.M. with accuracy registration of 100% +/- 1-1/2% of actual thru put.

4" meters, operating range 15 to 1000 G.P.M. with accuracy registration of 100% +/- 1-1/2% of actual thru put.

6" meters, operating range 30 to 2000 G.P.M. with accuracy registration of 100% +/- 1-1/2% of actual thru put.

8" meters, operating range 35 to 3500 G.P.M. with accuracy registration of 100% +/- 1-1/2% of actual thru put.

10" meters, operating range 55 to 5500 G.P.M. with accuracy registration of 100% +/- 1-1/2% of actual thru put.

Meter pressure loss at maximum flow capacity shall not exceed 6.5 P.S.I. for 2" and 7 P.S.I. for 3", 4", 6" and 8.5 P.S.I. for 8" and 10".

Meter main cases shall be furnished with bronze connections including bronze or stainless steel bolts and nuts and suitable gaskets.

**Laying lengths shall be as follows:**

<b>2" Turbine Meter</b>	<b>10"</b>
<b>3" Turbine Meter</b>	<b>12"</b>

<b>4" Turbine Meter</b>	<b>14"</b>
<b>6" Turbine Meter</b>	<b>18"</b>
<b>8" Turbine Meter</b>	<b>20"</b>
<b>10" Turbine Meter</b>	<b>26"</b>

**There can be no change in these measurements as new meters must fit in same space as existing installations.**

2" Turbine meters shall be supplied with the following: 2 – 2" Bronze elliptical 2 bolt companion flanges with bronze or stainless steel nuts and bolts and 2 connection gaskets.

The meter manufacturer must guarantee the 2", 3", 4", 6", 8" and 10" turbine hermetically sealed registers for a period of not less than five (5) years for satisfactory operating performance and against fogging or other defects. All internal working parts including flow tube, rotor, radial bearings, thrust bearings and magnets shall be guaranteed for a period of not less than five (5) years at no extra cost to the Department of Water, Parish of Jefferson. These guarantees shall not apply to the mechanical failure or damages to meters as a result of external abuse, hot water or water quality.

### **Detailed Meter Specifications – Direct Reading Fire Service Meters**

Turbine meters shall be series "W" turbine meters as manufactured by Sensus Technologies, Inc. Meters shall confirm to AWWA Standard C-703 (most recent revision). These bronze magnetic drive meters are for use where measurement of fire service water usage is desired. The meter and strainer are to be listed by Underwriter's Laboratories, Inc. for use on private fire service connections to Jefferson Parish's Water Supply. The meter and strainer are to be pressure tested, calibrated and accuracy tested prior to shipment. All meters shall be furnished with a UL Listed Sensus Fire Service strainer. Two drain plugs are to be provided to flush the screen under pressure. This "V" shaped screen shall have the equivalent open area of a 4" pipe. Three 3/8" threaded holes are to be provided on the cover plate to assist removal.

**MATERIALS:**

Main case -	Bronze
Measuring Chamber –	Thermoplastic (4") Bronze (6", 8", 10")
Straightening Vanes -	Thermoplastic (4") Stainless Steel (6", 8", 10")
Rotor -	Thermoplastic
Radial Bearing -	Graphite (4" & 6") Ceramic (8" & 10")
Trim -	Stainless Steel
Trust Bearings -	Tungsten Carbide
Magnets -	Ceramic
Strainer Materials -	Body and Cover Cast Iron
Strainer Screen -	Stainless Steel

Fireline meter assemblies shall be as manufactured by Sensus Technologies Inc. and shall combine a UL Listed, FM approved strainer and detector check valve with a Sensus 4" – 10" Series "W" bronze turbine meter. The metered bypass shall include a check valve and a Sensus SR displacement meter (for 4" & 6" assemblies) and a Sensus series "W" Turbine meter (for 8" & 10" assemblies). All fireline meter assemblies shall comply with ANSI/AWWA standard C-703 (most recent revision). Assemblies shall include valves (Mueller detector check valve, check valve, 2 locking ball valves), meters, strainers, bolts and bypass piping required and shall be shipped completely assembled and individually performance tested to insure compliance prior to shipment.

Compact fireline service assemblies shall be as manufactured by Sensus Technologies, Inc. and shall be UL Listed and FM approved. All compact fireline meter assemblies shall comply with ANSI/AWWA standard C-703 (most recent revision) and shall be individually performance tested to insure compliance prior to shipment. Each compact fireline assembly shall include a 4", 6", 8", or 10" size Sensus "W" series turbine meter. The metered bypass shall include a check valve and a W-120 1-1/2" turbine meter on the bypass for 4" assemblies and a W-160 2" turbine meter on the bypass for 6", 8", and 10" assemblies. Assemblies shall include valves (Smith Blair detector check valve, check valve, 2 locking ball valves), meters, strainers, bolts and bypass piping required and shall be

shipped completely assembled and individually performance tested to insure compliance prior to shipment.

The meter manufacturer must guarantee the hermetically sealed registers for a period of not less than five (5) years for satisfactory operating performance and against fogging or other defects. All working parts including flow tube, rotor, radial bearings, thrust bearings and magnets shall be guaranteed for a period of not less than five (5) years at no extra cost to the Department of Water, Parish of Jefferson. These guarantees shall not apply to the mechanical failure or damages to meters as a result of external abuse, hot water or water quality.

### **Detailed Meter Specifications – Compound Water Meters**

#### **3", 4" and 6" Compound Water Meters**

Compound meters shall consist of a combination of an AWWA Class II turbine meter for measuring high rates of flow and a nutating disc type positive displacement meter for measuring low rate of flow enclosed in a single maincase. An automatic valve shall direct flows through the disc meter at low flow rates and through the turbine meter at high flow rates. Compound meters are to fully comply with AWWA standard C-702 (most recent revision) and are to be furnished as follows:

The register assembly shall be permanently encased and rolled sealed in a metal can with a glass lens. The seal must provide a hermetic seal against dirt, foreign matter, and moisture. The glass lens must be heavy duty, scratch resistant, molded glass, to insure readability and shall be as near to unbreakable as possible. The register shall be of the straight reading, magnetic type and shall be furnished with a low flow leak detector; with a large center sweep test hand; and with a 100 equally divided graduations marked at the periphery of the register face. Numerals on the number wheels shall not be less than 3/16" in height. Each register shall be date coded for month/year for manufacture. All registers shall be identical and completely interchangeable within a given meter size and/or model. Registers shall read in "U. S. Gallons". Turbine and disc flow rates shall be totalized independently on separate register assemblies. Two separate low flow indicators shall provide independent leak detection. The registers shall be serviceable without interruption of the meter's operation.

To assure the meter to be tamper resistant it will be necessary to have the sealed register secured to the main case with a manufacturer installed stainless steel nut, bolt or screw. Jefferson Parish will not accept field modified or second party modified meters as meeting specifications. Locking pin, break off screw, or seal wires will not be acceptable as equal.

The meter main case shall be of the best grade waterworks bronze as specified by AWWA standard specifications C-700-77, most recently revised. Plastic meters will not be accepted as an equal not will plastic register boxes, lids or main case be accepted. Exterior trim bolts, nuts, and screws shall be bronze or stainless steel to insure long service life. The lid and register retainer exterior shall be bronze. The meter serial number shall be stamped on the lid and also on the main case so as to be easily read from above the meter.

The turbine measuring assembly shall be a self-contained unit, attached to the housing for easy field removal. The turbine spindles shall be stainless steel. The rotor shall balance or “float” between the turbine spindles thought the typical operating range of the meter.

The nutating disc chamber shall be a self-contained unit mounted in a separate cover plate, attached to the housing for easy field removal. It shall conform to AWWA standard C-700 (most recent revision) for the following sizes: 3” – 5/8” disc chamber, 4” and 6” – 3/4” disc chamber.

One vertical 2” NPT tapped boss shall be provided on the housing near the outlet for use during field performance testing purposes, as a tap for pressure recording or as a secured port.

Registration accuracy over the normal operating range shall be 98.5% to 101.5%. Registration at the crossover shall not be less than 97% for 3” and 4” sizes and shall not be less than 95% for the 6” size. Registration at the low flow rate shall not be less than 95%.

The capacity of the meters shall be as follows:

Size	Normal Operating Range	Max head loss	Max cont. flow	Max flow capacity	Low flow
3”	½ - 400 GPM	6.0 psi	400 GPM	450 GPM	1/4 GPM
4”	¾ - 800 GPM	11 psi	800 GPM	1000 GPM	3/8 GPM



6"	¾ - 1500 GPM	9.3 psi	1500 GPM	2000 GPM	3/8 GPM

Meters must meet or exceed the above listed maximum capacities.

Acceptable meters shall be Badger Recordall Compound Meters or approved equal.

### **Detailed Meter Specifications – AWWA Water Meter Strainers**

Strainers in sizes 3" – 6" are as follows":

Body and Cover - Bronze

Strainer Screen - Stainless steel

Strainers in sizes 8" & 10" are as follows:

Body and Cover - Cast Iron

Strainer Screen - Cast Bronze

All strainers shall have all required stainless steel cap screws, bolts and nuts for assembly to meter and pipeline.

#### **Group 1 – Positive Displacement Meters – Complete meter prices with Trade-in.**

QTY	U/M	Description	Unit Price	Total Price
10,000		5/8" x ¾" Water Meters		
1,500		1" Water Meters		
400		2" Water Meters		

#### **Group 2 – Positive Displacement Meters – Complete meter prices without Trade-in.**

QTY	U/M	Description	Unit Price	Total Price
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<b>10,000</b>		<b>5/8" x 3/4" Water Meters</b>		
<b>1,500</b>		<b>1" Water Meters</b>		
<b>400</b>		<b>2" Water Meters</b>		

**Group 3 – Class II Turbine Meters – Complete meter prices with Trade-in.**

<b>QTY</b>	<b>U/M</b>	<b>Description</b>	<b>Unit Price</b>	<b>Total Price</b>
<b>150</b>		<b>2 " Turbine Meter</b>		
<b>10</b>		<b>3" Turbine Meter</b>		
<b>15</b>		<b>4" Turbine Meter</b>		
<b>6</b>		<b>6" Turbine Meter</b>		
<b>1</b>		<b>8" Turbine Meter</b>		
<b>1</b>		<b>10" Turbine Meter</b>		
<b>183</b>		<b>Touch read assembly for 2" – 10" Meters</b>		

**Group 4 – Class II Turbine Meters – Complete meter prices without Trade-in.**

<b>QTY</b>	<b>U/M</b>	<b>Description</b>	<b>Unit Price</b>	<b>Total Price</b>
<b>150</b>		<b>2 " Turbine Meter</b>		
<b>10</b>		<b>3" Turbine Meter</b>		
<b>15</b>		<b>4" Turbine Meter</b>		
<b>6</b>		<b>6" Turbine Meter</b>		
<b>1</b>		<b>8" Turbine Meter</b>		
<b>1</b>		<b>10" Turbine Meter</b>		
<b>183</b>		<b>Touch read assembly for 2" – 10" Meters</b>		

**Group 5 – Fire Service Meters – Complete meter prices with Trade-in.**

<b>QTY</b>	<b>U/M</b>	<b>Description</b>	<b>Unit Price</b>	<b>Total Price</b>
<b>1</b>		<b>4” Fire Service Meter – Complete</b>		
<b>1</b>		<b>6” Fire Service Meter - Complete</b>		
<b>1</b>		<b>8” Fire Service Meter - Complete</b>		
<b>1</b>		<b>10” Fire Service Meter - Complete</b>		
<b>4</b>		<b>Touch read assemblies for Fire Service Meters</b>		

**Group 6 – Fire Service Meters – Complete meter prices without Trade-in.**

<b>QTY</b>	<b>U/M</b>	<b>Description</b>	<b>Unit Price</b>	<b>Total Price</b>
<b>1</b>		<b>4” Fire Service Meter – Complete</b>		
<b>1</b>		<b>6” Fire Service Meter - Complete</b>		
<b>1</b>		<b>8” Fire Service Meter - Complete</b>		
<b>1</b>		<b>10” Fire Service Meter - Complete</b>		
<b>4</b>		<b>Touch read assemblies for Fire Service Meters</b>		

**Group 7 – Compact Fire Service Meters – Complete meter prices with Trade-in.**

<b>QTY</b>	<b>U/M</b>	<b>Description</b>	<b>Unit Price</b>	<b>Total Price</b>
<b>1</b>		<b>4” Fire Service Meter – Complete</b>		
<b>1</b>		<b>6” Fire Service Meter - Complete</b>		
<b>1</b>		<b>8” Fire Service Meter - Complete</b>		
<b>1</b>		<b>10” Fire Service Meter - Complete</b>		

<b>4</b>		<b>Touch read assemblies for Fire Service Meters</b>		

**Group 8 – Compact Fire Service Meters – Complete meter prices without Trade-in.**

<b>QTY</b>	<b>U/M</b>	<b>Description</b>	<b>Unit Price</b>	<b>Total Price</b>
<b>1</b>		<b>4” Fire Service Meter – Complete</b>		
<b>1</b>		<b>6” Fire Service Meter - Complete</b>		
<b>1</b>		<b>8” Fire Service Meter - Complete</b>		
<b>1</b>		<b>10” Fire Service Meter - Complete</b>		
<b>4</b>		<b>Touch read assemblies for Fire Service Meters</b>		

**Group 9 – Compound Water Meters – Complete meter prices with Trade-in.**

<b>QTY</b>	<b>U/M</b>	<b>Description</b>	<b>Unit Price</b>	<b>Total Price</b>
<b>1</b>		<b>3” Compound Meter - Complete</b>		
<b>2</b>		<b>4” Compound Meter - Complete</b>		
<b>2</b>		<b>6” Compound Meter - Complete</b>		
<b>5</b>		<b>Touch read assemblies for Compound Meters</b>		

**Group 10 – Compound Water Meters – Complete meter prices without Trade-in.**

<b>QTY</b>	<b>U/M</b>	<b>Description</b>	<b>Unit</b>	<b>Total</b>
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			<b>Price</b>	<b>Price</b>
<b>1</b>		<b>3" Compound Meter - Complete</b>		
<b>2</b>		<b>4" Compound Meter - Complete</b>		
<b>2</b>		<b>6" Compound Meter - Complete</b>		
<b>5</b>		<b>Touch read assemblies for Compound Meters</b>		

**Group 11 – AWWA Water Meter Strainers - Complete**

<b>QTY</b>	<b>U/M</b>	<b>Description</b>	<b>Unit Price</b>	<b>Total Price</b>
<b>2</b>		<b>3" Water Meter Strainer - Complete</b>		
<b>2</b>		<b>4" Water Meter Strainer – Complete</b>		
<b>2</b>		<b>6" Water Meter Strainer – Complete</b>		
<b>2</b>		<b>8" Water Meter Strainer – Complete</b>		
<b>2</b>		<b>10" Water Meter Strainer – Complete</b>		